



## AT-2916SX

### PCI Gigabit Fiber Interface Card

#### AT-2931SX

1000SX 32-bit PCI Gigabit fiber interface card

#### Performance

Allied Telesis' AT-2916SX is a highly reliable 32-bit PCI Gigabit fiber interface card with 9KB jumbo frames support for network upgrade needs. The AT-2916SX helps to boost your Gigabit Ethernet throughput ten times to 1000Mbps. With the 1000SX fiber-optic connection, data transmission is both secure and faster.

In order to reduce CPU use, Allied Telesis' AT-2916SX uses the adaptive interrupts and ultra-deep 96KB packet buffer. Coupled with link aggregation and load balancing, AT-2916SX achieves the best performance of its class for server connectivity.

#### High Reliability

AT-2916SX Gigabit Ethernet fiber interface card comes with a variety of reliability features that are designed to maintain a connection as long as possible, including: link aggregation and failover.

#### Advanced Manageability

The priority queuing and Virtual LAN features offered by AT-2916SX can help users set-up the network based on their own needs. The comprehensive diagnostics and configuration software suite provides system administrators and engineers with a powerful tool to analyze the interface card and check specific data.

AT-2916SX Gigabit Ethernet fiber interface card can also support up to 64 VLANs and four priority queues.

#### Key Features

##### Management Software

- VLAN support
- Link aggregation LACP
- Link aggregation smart switch
- Failover

##### Advance Properties

- Jumbo frames
- Checksum offloading
- Secured transmissions
- Adaptive interrupts
- TCP, UDP and IP checksum generation and check
- Priority queuing
- CPU task offload (to reduce CPU utilization level)
- Remote boot (PXE 2.1)
- Compliant with the Trade Agreement Act
- Microsoft certified drivers
- RoHS compliant
- Low-profile and standard height brackets included
- SNMP
- IPv6
- Windows Vista
- Also can be used in PCI-x bus

# AT-2916SX | PCI Gigabit Fiber Interface Card

## Specifications

### Management Features

WMI  
ACPI 1.1  
PXE 2.1 Boot ROM  
SNMP

### Bus Type

PCI 2.2

### Ethernet Standards

IEEE 802.1p Quality of Service  
IEEE 802.1Q VLANs  
IEEE 802.2 LLC  
IEEE 802.3ab Gigabit standard  
IEEE 802.3ac MAC  
IEEE 802.3ad Link aggregation  
IEEE 802.3az 1000SX  
IEEE 802.3x Flow control, auto-negotiation  
IEEE 802.3z 1000X

### Drivers

#### Supported

Vista  
Vista 64-bit  
Windows XP  
Windows XP 64-bit  
Windows 2003  
Windows 2003 64-bit  
Windows 2000  
NDIS2  
NetWare 6.x  
Linux 2.4  
Linux 2.6  
SNMP

#### Available

Windows NT 4  
Solaris x86  
Solaris Sparc 32-bit  
Solaris Sparc 64-bit  
NetWare 5.x

### Compliance

RoHS  
UL  
FCC/EN55022 Class B  
TUV  
EN55024  
CE  
C-TICK  
VCCI

### Connectors

SC  
LC  
Optical input power (min) -17dBm  
Transmit optical power (min/max) -9.5/-1.5dBm

### Environmental Specifications

Operating temperature 0°C to 50°C  
Storage temperature -25°C to 70°C  
Relative humidity 5% to 90% non-condensing

### Power

Power consumption 3.78 Watts (max)  
Signaling voltage 3.3/5V

### Status Indicators

1000	ON	1000Mbps link up
	OFF	1000Mbps link down
ACT	ON	Receiving/transmitting
	OFF	Not receiving/ not transmitting

### Physical Characteristics

Dimensions 12cm x 6.4cm  
(W x H) (4.7") x (2.5")

Ships with standard bracket attached to interface card.  
Low-profile bracket is included in packaging.

### Network Type

Auto-negotiation full-duplex flow control

### Maximum Cabling Distances

Up to 500m with 850 nm multi-mode fiber cable  
Up to 220m with 62.5/125 μm multi-mode fiber cable  
Up to 500m with 50/125 μm multi-mode fiber cable

### Network Controller

Broadcom BCM5703S

## Ordering Information

AT-2916SX/AA-xxx  
1000SX 32-bit PCI Gigabit Ethernet interface card

Where AA = SC or LC

Where xxx = 001 for single pack  
020 for 20-pack  
901 for single pack, Federal  
and Government  
920 for 20-pack, Federal and  
Government

Ships with standard bracket attached to interface card.  
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